

[Title of the Invention] A Ni-base brazing alloy having excellent wettability and corrosion resistance

[Abstract]

[Object] The present invention provides a Ni-base brazing alloy. The alloy may be brazed at a temperature as low as possible, for example at about 1050°C, in case of brazing a stainless steel with a stable oxide film formed in the surface, and also has an good wettability and in particular has an excellent salt water corrosion resistance.

[Means for Settlement] The Ni-base brazing alloy excellent in wettability and corrosion resistance of the present invention comprising Cr in an amount of 10 to 30 %, P in an amount of 2 to 11 %, Si in an amount of 1 to 10 %, with the total amount of P and Si being 10 to 13 % and, if needed, Mo in an amount of no more than 5 % in weight, and the remainder of Ni and unavoidable impurities.

[What is Claimed is:]

[Claim 1] A Ni-base brazing alloy, comprising Cr in an amount of 10 to 30 % by weight, P in an amount or 2 to 11 % by weight, Si in an amount of 1 to 10 % by weight, wherein the total amount of P and Si is 10 to 13 % by weight, and a remainder of Ni and unavoidable impurities.